

**Coluccio, Tina (DEQ)**

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**From:** Ringuette, Lindsey (DEQ)  
**Sent:** Wednesday, January 04, 2012 2:35 PM  
**To:** Nutini, Jennifer (TI)  
**Cc:** Kulju, Ann (TI); Mariuzza, Kristen (TI); Coluccio, Tina (DEQ)  
**Subject:** RE: Kennecott SWMP Characterization Samples - Humboldt Mill

Hey Jen,

Another six month extension would most likely not provide enough time to ensure cleanup activities are completed prior to sampling; especially if there is a chance that cleanup will extend to or just past the end of April 2012.

You are correct in what is required; we require at least 3 sampling events, and in this case, one sampling event was completed prior to cleanup, and two more are expected to be completed post-cleanup. Hopefully cleanup will be completed so that one of these post-cleanup sampling events can occur during spring snowmelt; with the other after a significant rain event (as you stated below, and as described in KEMC's approved storm water sampling plan). If that doesn't occur, the two post-cleanup sampling events will simply have to occur during two separate significant rain events (as described in the plan) at some point after that.

Given this information, I think it would be best to extend the deadline until October 26, 2012. Please respond with your thoughts on this deadline and if you have further questions.

Thanks.

Linds

FILE: NPDES, Marquette County, Humboldt Mill

*Lindsey Ringuette*  
Environmental Quality Analyst  
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**From:** Nutini, Jennifer (TI) [mailto:Jennifer.Nutini@riotinto.com]  
**Sent:** Thursday, December 29, 2011 12:04 PM  
**To:** Ringuette, Lindsey (DEQ)  
**Cc:** Kulju, Ann (TI); Mariuzza, Kristen (TI)  
**Subject:** RE: Kennecott SWMP Characterization Samples - Humboldt Mill

Hi Lindsay –

This letter is to follow up on previous communication you've had with Mary regarding storm water characterization at the Humboldt Mill.

In regard to the 6 month extension you granted on the sampling program, which would have made the deadline October 26, 2011, KEMC is in the process of performing environmental cleanup activities planned at the property, so the storm water characterization cannot be completed yet. KEMC requests another 6 month extension of the deadline in anticipation that cleanup activities will be finished prior to spring melt. There is a chance that cleanup will extend past April 2012, in which case I will notify you in advance.

Can you also confirm or clarify that two more sampling events are still necessary, although it appears that both would represent post-cleanup conditions because we are excluding the 'during cleanup' event? If cleanup activities are complete such that representative samples can be collected, I can imagine that we could get one event done during the normally fast spring melt, and that another would occur after some time when we get significant enough rainfall events to characterize each active location. Can you verify if this is what you're looking for?

Thank you,  
Jen

File: V:\HSE\Environmental\Humboldt\Permits\NPDES - Industrial Storm Water Permit\Mill NPDES\Correspondence - Mill NPDES Industrial Storm Water

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**From:** Morissette, Mary (TI)  
**Sent:** Tuesday, December 13, 2011 4:06 PM  
**To:** Nutini, Jennifer (TI)  
**Subject:** FW: Kennecott SWMP Characterization Samples - Humboldt Mill

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**From:** Ringuette, Lindsey (DNRE) [mailto:[RINGUETTEL@michigan.gov](mailto:RINGUETTEL@michigan.gov)]  
**Sent:** Monday, May 02, 2011 4:30 PM  
**To:** Morissette, Mary (TI)  
**Cc:** Mariuzza, Kristen (TI); Coluccio, Tina (DNRE)  
**Subject:** RE: Kennecott SWMP Characterization Samples - Humboldt Mill

Hey Mary,

Yes, I agree to all aspects of this email, as it appropriately summarizes our conversation.

Thanks.

Linds

FILE: NPDES, Marquette County, Humboldt Mill

*Lindsey Ringuette*  
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**From:** Morissette, Mary (TI) [mailto:Mary.Morissette@riotinto.com]  
**Sent:** Wednesday, April 27, 2011 3:47 PM  
**To:** Ringuette, Lindsey (DNRE)  
**Cc:** Mariuzza, Kristen (TI)  
**Subject:** FW: Kennecott SWMP Characterization Samples - Humboldt Mill

Hi Lindsey,

Per previous email communication (see below), I wanted to inform you that we were not able to complete the 3 storm water characterization events by the 6 month deadline (April 26, 2011). All sampling locations were snow covered until about the second week of April.

In addition, per our phone call that occurred earlier today, I wanted to confirm the alteration of the timing of our current storm water sampling characterization events. Our 3 characterization events were previously slated to occur in the following order:

1. Snow melt sampling
2. Sample during environmental cleanup
3. Sample after environmental cleanup

This was agreed to between yourself and Kennecott last year. However, in further thinking on the issue, our storm water coming from the Humboldt Mill property would be more accurately characterized if we sampled during snowmelt before the environmental cleanup commences and then completed the other two sampling events after the environmental cleanup has been completed. If we were to do the sampling during *environmental cleanup*, it is felt that our storm water wouldn't be accurately characterized because certain parameters may be temporarily elevated due to excavation work that will be occurring at the Mill.

If you are agreeable to the extension of the 6 month sampling deadline and the changes to when the sampling events are proposed to occur, could you please let me know?

Also, as agreed upon today, if there is no discharge coming from the two culverts listed in our SWMP to sample for storm water characterization, we will document the dates we attempted to sample and the conditions we encountered at the time. This will be submitted in lieu of actual sampling data in the event that we are not able to sample these locations.

Thank you,

Mary Morissette

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**From:** Ringuette, Lindsey (DNRE) [mailto:RINGUETTEL@michigan.gov]  
**Sent:** Monday, November 15, 2010 11:31 AM  
**To:** Morissette, Mary (TI)  
**Cc:** Coluccio, Tina (DNRE); Mariuzza, Kristen (TI)  
**Subject:** RE: Kennecott SWMP Characterization Samples

Hey Mary,

Yes, to confirm, in the event that KEMC is unable to complete the storm water characterization study within the 6-month time frame due to weather, KEMC will be granted additional time to complete the study. We are aware that this may be necessary since the study was recently approved, and winter is fast approaching, therefore conditions may not be conducive to sampling.

Therefore if, towards the end of the 6-month time frame, KEMC is unable to complete the study, please simply notify me by email or in writing and we will grant an extension.

Please contact me if you have further questions.

Thanks.

Linds

FILE: NPDES, Marquette County, Humboldt Mill

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**From:** Morissette, Mary (KEMC) [mailto:Mary.Morissette@riotinto.com]

**Sent:** Wednesday, November 10, 2010 1:19 PM

**To:** Ringuette, Lindsey (DNRE)

**Cc:** Mariuzza, Kristen (TI)

**Subject:** Kennecott SWMP Characterization Samples

Hi Lindsey,

As a follow up to our phone conversation could you please confirm our time limit for our storm water characterisation sampling. Mostly, I need confirmation that in the event that we are unable to obtain the storm water samples within the 6 month time frame we have been allotted (due to weather conditions and the high likelihood that the snow cover on the ground will not be melted within the time frame) that we will be allowed a reasonable extension period to complete this.

Thanks,

Mary Morissette

Mary Morissette

Land Specialist

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